

V= 0.7 m/s

$$\frac{1}{C_5} = \frac{|\langle \xi_1^{(0.013)} \rangle}{|\langle 0.013 \rangle|} = \frac{|\langle \xi_1^{(0.013)} \rangle}{|\langle 0.013 \rangle|}$$



C)
$$\mathcal{L}_{x} = \alpha + b\mathcal{E}_{1} = 0.8 + 1.5(1.02) = [2.33]$$

QU W= 0.6 M K=1275 N= 0.45 ho= 0.026 R= 0.42m W= 75 RPM hf= 0.020 Part 1) [= [W = 1 L= J0.43 (0.036-0.030)] L= 0.0502 ASSUMING LOW M 05 = KEA = B 1275/n 6.000 556 Mg F= (0.0502)(0.6) (556)= 16.75 MN

TREOLE = FL = (16.75/0.0502)(100 MN) = [420 KN-M] POWER = 2TW = 2(420 KN·m) (75 Get) (75 Min) (30) = [603 KW]

Part 2/ Ah= MBR - M= JAh/R M= 136-20 = 0.1195

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